

**BOARD OF COUNTY COMMISSIONERS
AGENDA ITEM SUMMARY**

MEETING DATE: 8/18/04

DIVISION: COUNTY ADMINISTRATOR

BULK ITEM: YES

DEPARTMENT: AIRPORTS

AGENDA ITEM WORDING: Approval of Purchase Service Order with URS to perform a Wildlife Study for the Key West International Airport.

ITEM BACKGROUND: The study will be funded 95% by the Federal Aviation Administration and 5% by Passenger Facility Charge Revenue.

PREVIOUS RELEVANT BOCC ACTION: Approval to submit Passenger Facility Charge Application # 8, October 15, 2003.

CONTRACT/AGREEMENT CHANGES: New agreement

STAFF RECOMMENDATION: Approval

TOTAL COST: \$29,540.00

BUDGETED: Yes

COST TO AIRPORT: None
COST TO PFC: \$1,477.00
COST TO COUNTY: None

SOURCE OF FUNDS: FAA, PFC Revenue

REVENUE PRODUCING: N/A

AMOUNT PER MONTH /YEAR:

APPROVED BY: County Attorney X OMB/Purchasing N/A Risk Management N/A

DIRECTOR OF AIRPORTS APPROVAL _____


Peter J. Horton

DOCUMENTATION: Included X

To Follow

Not Required

AGENDA ITEM # C32

DISPOSITION: _____

/bev
APB

MONROE COUNTY BOARD OF COUNTY COMMISSIONERS

CONTRACT SUMMARY

Contract #

Contract with: URS

Effective Date: Execution

Expiration Date: 360 Days

Contract Purpose/Description: Wildlife Study for Key West International Airport

Contract Manager: Bevette Moore
(name)

5195
(Ext.)

Airports - Stop # 5
(Department/Courier Stop)

for BOCC meeting on: 8/18/04

Agenda Deadline: 8/3/04

CONTRACT COSTS

Total Dollar Value of Contract: 29,540.00

Current Year Portion: ~ 5,000.00

Budgeted? Yes

Account Codes: 404-63097-530490-GAKA94

Grant: Yes - FAA

County Match: PFC Revenue

ADDITIONAL COSTS

Estimated Ongoing Costs: N/A
(not included in dollar value above)

For: .
(eg. maintenance, utilities, janitorial, salaries, etc.)

CONTRACT REVIEW

	Date In	Changes Needed Yes No	Reviewer	Date Out
Airports Director	<u>7/22/04</u>	() (X)	<u>Peter Horton</u> Peter Horton	<u>7/22/04</u>
Risk Management	<u>1/1/</u>	() ()	<u>N/A Per OMB</u> for Risk Management	<u>1/1/</u>
O.M.B./Purchasing	<u>1/1/</u>	() ()	<u>N/A Per OMB</u> for OMB	<u>1/1/</u>
County Attorney	<u>1/1/</u>	() ()	<u>Pedro Mercado</u> County Attorney	<u>7/21/04</u>

Comments:

PURCHASE / SERVICE ORDER

FOR

MONROE COUNTY

To: URS

Purchase Service Order No. 03/04-13

Re: PSA Agreement, Dated 1-1-02

Resolution No. _____

Project Name: Wildlife Study - Key West International

Description of Services:

(See attached Scope of Services)

Multiple of Direct Salaries _____

Lump Sum X

Reimbursable Expense _____

Days to Complete 360

Fee this Service Order \$ 29,540.00

Payment for Services shall be in their entirety as per PSO.

Prepared by:

Milford A. Reisert
Milford A. Reisert

Recommended by:

RH

Date: 2-17-05

Date: 7-15-04

Accepted by:

Carlos Garcia
Carlos Garcia

Approved by:

Date: 2/18/04

Date: _____

APPROVED AS TO FORM
AND LEGAL SUFFICIENCY
BY [Signature]
ATTORNEY'S OFFICE
DATE 7/21/04

SCOPE OF SERVICES

Proposal for Professional Environmental Services Wildlife Hazard Assessment/Ecological Study Key West International Airport, Key West, Florida

As requested by Key West International Airport (Airport) on February 5, 2004, URS Corporation (URS) is pleased to submit the following Scope of Services associated with conducting a Wildlife Hazard Assessment (Ecological Study as presented in Title 14, Code of Federal Regulations, part 139.337 (14 CFR 139.337)). The heightened awareness of the increased risk of serious aircraft damage and/or the loss of human life that can result from a wildlife strike has placed a greater emphasis on the preparation of a Federal Aviation Administration (FAA)-approved Wildlife Hazard Management Plan (WHMP). The first step in preparation of a WHMP is to conduct a Wildlife Hazard Assessment or Ecological Study acceptable to the FAA.

Events occurring on or near a FAA-certified airport detailed in Title 14 CFR 139.337(a) that trigger a Wildlife Hazard Assessment/Ecological Study are:

1. Aircraft collision with multiple birds or any birds are ingested;
2. Damaging aircraft collision with wildlife other than birds; or
3. Wildlife of a size or in numbers capable of causing an event described in (1) or (2) is observed to have access to any airport flight pattern or movement area.

1.0 SCOPE OF SERVICES

The tasks identified to conduct a Wildlife Hazard Assessment at the Airport per Title 14 CFR 139.337 include the following:

1.1 Preliminary Site Visit to Identify the Scope of Wildlife Hazard Issues Involved at the Airport

URS will conduct a preliminary site visit at the Airport to identify issues involved in developing a site-specific Wildlife Hazard Assessment. This task includes conducting a limited assessment of potential wildlife occurrences at the Airport.

1.2 Literature Search and Investigation of Existing Relevant Ecological Information

URS will conduct a literature search and investigation of existing relevant documents and information relating to bird/wildlife strikes (bird strike reports to be provided by the Airport), bird hazard studies, protected species information,

local and regional wildlife and ecological studies, and regulatory status of species potentially posing a strike hazard.

1.3 Field Investigation to Identify Specific On-Site and Off-Site Wildlife Hazards

URS will conduct field surveys (diurnal and nocturnal) at the Airport to identify and assess the species, numbers, locations, local movements, and daily occurrence of wildlife that access the Airport's movement areas and flight patterns. This information will identify issues that must be addressed in developing a site-specific Wildlife Hazard Assessment. In addition, URS will perform a limited wildlife assessment within a 5-mile radius of the Airport to identify and locate features that are attractants to wildlife that may pose a strike hazard to aircraft.

Field studies will include:

- Morning and evening bird surveys at ten pre-determined observation stations located on-site and/or directly adjacent to the Airport over a three-day period (preferably in March during a period of heightened bird migratory activity);
- A night survey over a one-day period timed to take advantage of morning and evening crepuscular periods;
- An aerial survey within a 5-mile radius to identify potential wading bird nesting or roosting habitat (to be conducted only if aerial transport is provided by the Airport); and
- Vehicular windshield assessment within a 5-mile radius of the Airport over a one day period to identify and locate features that attract wildlife that may have access to the Airport's flight pattern and movement area.

This task includes approximately four hours (x 2 people) for Airport security clearance/training activities.

1.4 Report

URS will assist the Airport with the preparation of a Wildlife Hazard Assessment report to be submitted to the FAA. The Wildlife Hazard Assessment will include the results of Tasks 1.1 through 1.3, above, and include analyses of the events which prompted the study and an evaluation of the wildlife hazards to air carrier operations.

2.0 EXCLUSIONS

The following items are excluded from this proposal, but can be performed as part of additional services:

- Wildlife mitigation plans;
- Wildlife Hazard Mitigation Plan;
- Environmental permitting services;
- Wildlife modeling services;
- Wildlife relocation services
- Presentations to public officials,
- Attendance at public meetings or hearings, and
- Legal services, if required.

3.0 COMPENSATION & SCHEDULE

URS proposes to perform the scope of work described herein on a Lump Sum basis in accordance with our Professional Services Agreement for Professional Engineering Services. It is assumed that access to all natural/vegetated areas of the Airport will be provided during the assessment outlined above.

URS is prepared to begin work immediately on this project upon receipt of your written notice to proceed. The specific schedule will be mutually agreed upon between URS and the Airport prior to commencement of services.

4.0 SUMMARY

This scope is limited to the task items described herein. It is understood that circumstances outside the control of the Airport and URS could have an impact on this project and its schedule. URS is committed to working closely with you in resolving these issues. Our experience with this type of project makes URS uniquely qualified to address the concerns and bring about resolution.

We greatly appreciate the opportunity to submit this proposal. We are very confident in our ability to complete your project on schedule and in a professional manner. We look forward to being of service to the Key West International Airport and to further discussing this proposal and your project requirements.

**Wildlife Hazard Assessment/Ecological Study Justification at
Key West International Airport, Key West, Florida**

URS performed a preliminary assessment of the Key West International Airport (EYW) on February 5, 2004 to determine the potential need to conduct a Wildlife Hazard Assessment / Ecological Study as presented in Title 14, Code of Federal Regulations, part 139.337 (14 CFR 139.337)) to address conditions that might contribute to aircraft-wildlife strikes at EYW and approach paths. URS personnel Michael Breiner and Keith Stannard conducted a field visit at EYW to investigate conditions and identify issues that may produce exposures to wildlife hazards.

14 CFR 139.337 (a) (1-3) outlines events occurring on or near an airport that trigger the need to conduct an ecological study. According to paragraph (a) (3), a study would be necessary if wildlife of a size or in numbers capable of causing an air carrier aircraft to experience a multiple bird strike or engine ingestion are observed to have access to any airport flight pattern or movement area.

EYW is located in Key West, Monroe County, Florida on the westernmost island of the Florida Keys, a chain of islands that extend southwest from the mainland of Florida. The airport is situated in the southeast portion of the island virtually surrounded by wetlands locally known as the Key West Salt Ponds. The Salt Ponds are a remnant of the seagrass beds that once occurred in the area. The construction of Roosevelt Boulevard around the perimeter of the island created a semi impounded system in which exchange of pond water with oceanic water is limited to a few small channels. The Salt Ponds, due to their inland location, provide sheltered areas where an abundance of wading birds and wintering waterfowl and shorebirds can take refuge for foraging and resting. A portion of the Salt Ponds adjoining the airport to the southwest is designated the Thomas Riggs Wildlife - Bird Refuge which includes an elevated observation deck that facilitates viewing the numerous heron, egrets, ibis, ospreys, shorebirds that utilize the Salt Ponds. These birds utilizing the Salt Ponds often fly through the airport area seeking ingress and egress to the wetlands.

During the site visit, a significant number of turkey vultures were observed soaring above the airport and through the approach paths. The source of this population of turkey vultures appears to be a defunct landfill used as a roosting site during the winter season (and to a lesser extent the remainder of the year). This landfill is located on Stock Island less than two miles north of the airport. As a result of the close proximity of the Atlantic Ocean (on the opposite side of South Roosevelt Boulevard), pelicans, gulls, and terns were also observed flying overhead or through the eastern approach to the airport. Based on numerous raccoon tracks observed in the vicinity of the airport, raccoons may present a strike hazard to aircraft operations on the runways or movement areas at night.

According to the Airport Director, Mr. Peter Horton, after rain events a number of birds such as gull, terns, and shorebirds use the ponded infield areas between the runways for foraging and loafing areas. Mr. Horton also stated that federally threatened bald eagles visit the vicinity of the airport and periodically have been known to land on the runways.